

7/8" Low Loss Flexible Cable



Type		Type No.
Standard cable		HCTAY-50-23 HCTAYZ-50-23
Construction		
1.Inner conductor	Material	Copper tube
	Diameter (mm)	9.45 ± 0.10
2.Insulation	Material	Foamed PE
	Diameter (mm)	22.5 ± 0.20
3.Outer conductor	Material	Annular corrugated copper tube
	Diameter (mm)	25.4 ± 0.25
4.Jacket	Material	LDPE or FRNC
	Diameter (mm)	27.5 ± 0.25
Mechanical Characteristics		
Bending radius (mm)	Single bend	150
	Repeated bend	275
Tensile strength (N)		1450
Cable weight (kg/km)	PE	340
	FRNC	380
Recommended temperature (°C)	Storage	-70~+85
	Installation	-40~+60
	Operating	-55~+85

Note:

For fire-retardant jacket cable, recommended temperature:

Storage: -30°C~+80°C

Installation: -25°C~+60°C

Operating temperature: -30°C~+80°C

Electrical Characteristics		
Inner conductor DC resistance (Ω/km)		2.50
Outer conductor DC resistance (Ω/km)		2.15
Characteristic impedance (Ω)		50
Capacitance (pF/m)		75
Velocity (%)		88
Dielectric strength (KV)		10.0
Insulation resistance (M Ω/km)		$>1 \times 10^4$
Peak power rating (KW)		90
Peak voltage (V)		3000
Cut-off frequency (GHz)		5.2
Attenuation and Average power (Maximum attenuation value shall be 105% of the nominal attenuation value)		
Frequency (MHz)	Attenuation (@20°C, dB/100m)	Average power (kw)
200	1.66	5.05
450	2.55	3.29
800	3.48	2.42
900	3.70	2.27
1800	5.44	1.54
2000	5.77	1.46
2200	6.09	1.38
2500	6.55	1.28
2700	6.85	1.23
3000	7.27	1.15
VSWR		
800MHz~1000MHz		1.13
1700MHz~2500MHz		1.15
2500MHz~3000MHz		1.20

● Products meet the RoHS requirement, and according to the requirements of RoHS, you can see the RoHS mark on the outside package